

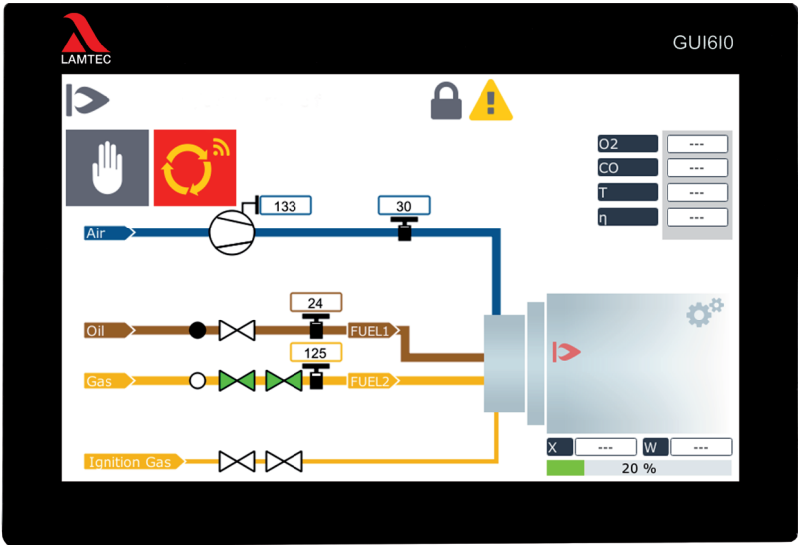


Fig. 1 GUI610

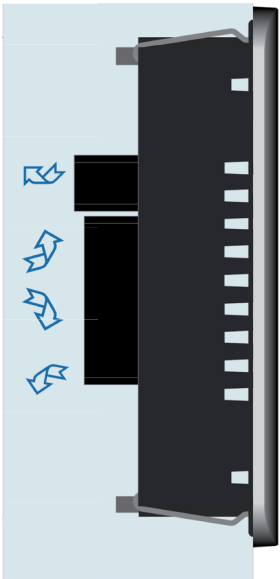


Fig. 2 Ensure unobstructed air circulation! >20 mm / 0.79" in

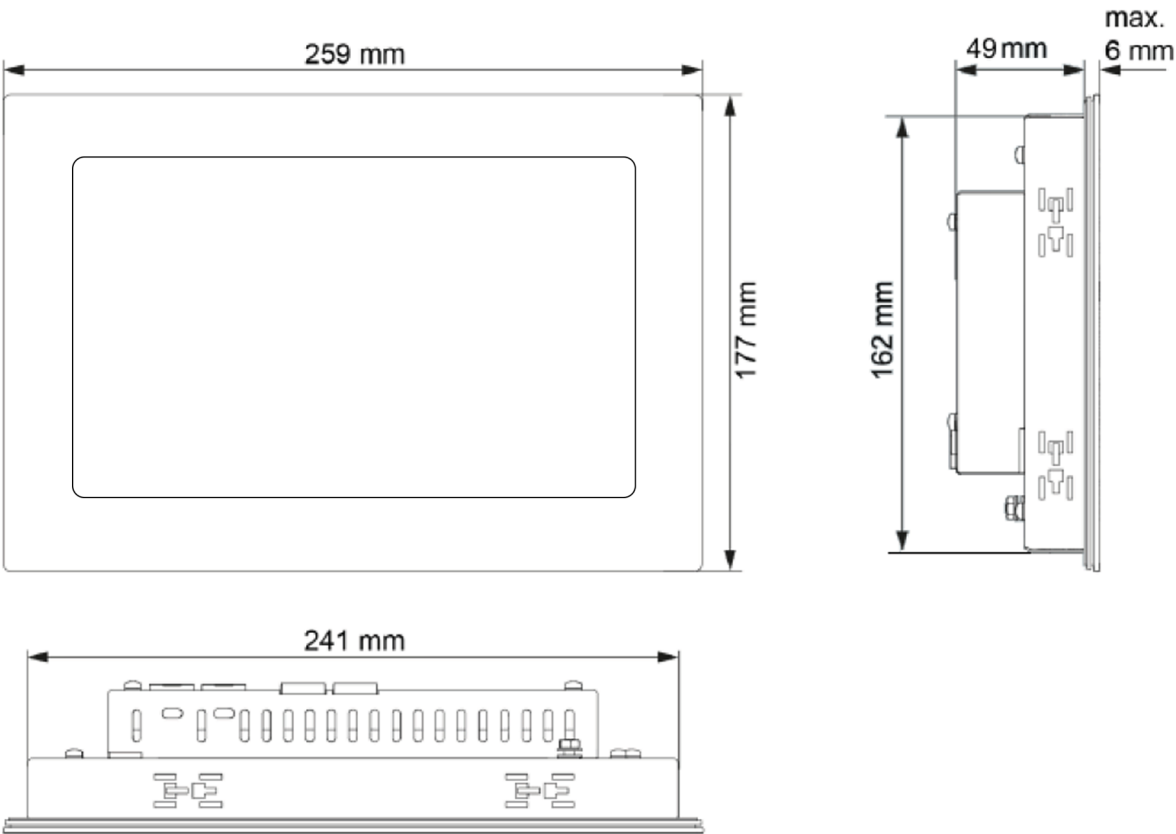


Fig. 3 GUI610 dimensional drawing

Technical Data GUI610

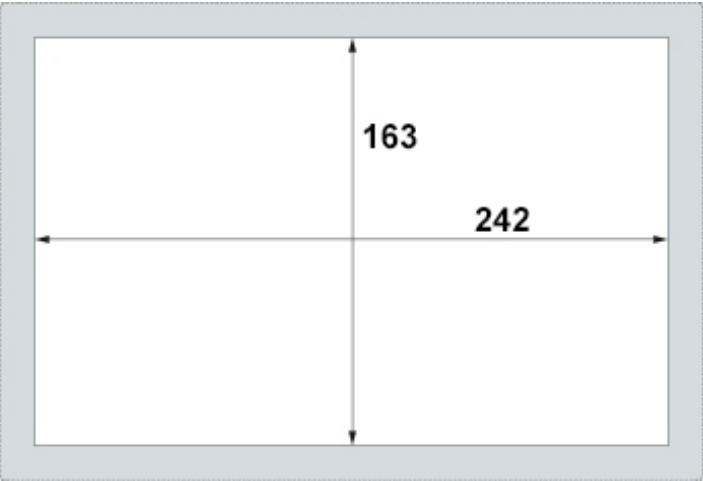


Fig. 4 Panel cut out GUI610 (dimensions in mm)

Cut a rectangular panel cut out in the support material

Height: 163.0 mm | 6.42" in
Width: 242.0 mm | 9.53" in
Max. corner radius: 1.5 mm | 0.06" in

Optimum thickness of the carrier material

1.0 up to 3.0 mm | 0.04 up to 0.12" in

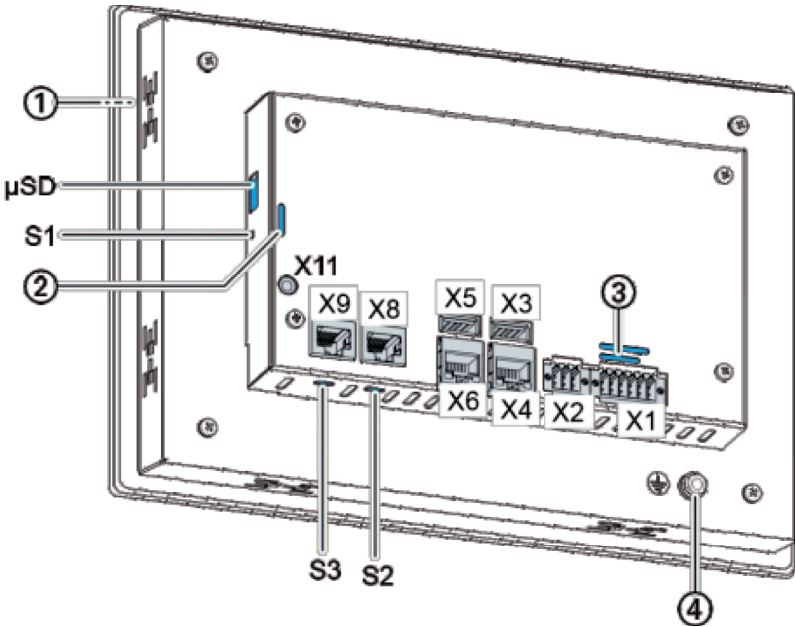


Fig. 5 GUI610 connections

Connections

Item	Designation	Item	Designation
1	Display 10."	X6	EtherCAT (ETH1)
2	LEDs: PWR, RUN/Stop, Error (DC)	X8	CAN bus (DC) Debug interface (do not use – only for LAMTEC service staff) (ET)
3	LEDs: Power, digital input/output	X9	RS-232/RS-485
4	Ground connection	X11	Debug interface (do not use – only for LAMTEC service staff)
X1	Power supply, digital input/output	S1	Function key
X2	Analogue inputs	S2	CAN termination resistor (120 Ω)
X3	USB 2.0	S3	RS-485 termination resistor (120 Ω)
X4	Ethernet (ETH0)	μSD	microSD card connection (for memory extension)
X5	USB 2.0		

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X1 power supply voltage, inputs PIN 9-12

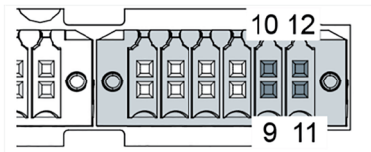


Fig. 6 GUI610 X1 PIN assignment

PIN 9 and 12: L+ 24 V supply 24 VDC (–15 %/+20%)
PIN 11: GND

Technical data

Dimensions (H x W x D)	259 x 177 x 55 mm
Weight	2.5 kg
Mounting	Removable clamps
Power supply voltage	24 VDC –15/+20% SELV Max. AC voltage percentage 5% with inverse-polarity protection
Power consumption	
Module electronics current consumption	Typically 0.8 A, max 1.2 A at +24 VDC
Diagonal/resolution display	10,1" display, 1280 x 800 (WXGA)
Touch condition	Capacitive (multi-touch)
Colours	TFT: 16.7 M (24 bit/pixel)
CPU	800 MHz ARM® CPU with Cortex™-A9 single core
RAM/FLASH/Retain storage	512 MB RAM/2048 MB Flash/100 kB FRAM
Communication interfaces	2 x Ethernet, 10/100 Base, RJ45
Flammability	

Environmental conditions

Operation	permissible temperature range	0 ... +55 °C (condensation prohibited)
	Relative air humidity	Max. 85 %, non-condensing
Transport/storage	permissible temperature range	-20 ... +70 °C (condensation prohibited)
	Relative air humidity	Max. 85 %, non-condensing
Protection class	DIN EN 60529	IP20 IP44 Front
Level of protection	DIN EN 61140	III
Electrical safety	Insulation strength	EN61131-2
	Insensitivity to interference	EN61131-2
	Emitted interference	EN55011 class B group 1
Mechanical safety	Vibration	Sinusoidal (EN 60068-2-6) Test: Fc; 10 ... 150 Hz, 1 G (operation mode)
	Shock resistance	15 G (approx. 150 m/s ²), 11 ms duration, half-sine (EN 6068-2-27) Test: Ea

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Certifications

CE	DIN EN 61131-2
	DIN EN 61010-2-201
	DIN EN 61000-6-3
UL	UL 61010-2-201

NOTICE

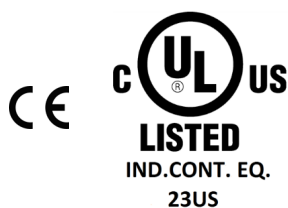
The limits of the technical data must be strictly adhered to.

Order Information

Display modules GUI610

Description/Type	Order no.
GUI610 Graphical display module 10", 24 VDC, panel installation Touch panel with graphic menus for convenient curve programming, extended parameter setting and all system queries	668R1002

Approvals



The information in this publication is subject to technical changes.



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